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ABSTRACT OF THE DISCLOSURE

A microwave filter made of acoustically coupled, bulk wave acoustic resonators. The resonators utilize piezoelectric materials sandwiched between conducting electrodes. Layers of material that intervene between the resonators control the amount of acoustic coupling between the resonators and the amount of coupling is selected to obtain desired filter characteristics. The resonators and the intervening layers may be supported upon a substrate by means of a series of layers of material that function as an acoustic mirror or reflector.

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